Combat Identification Program

Combat Identification Assessment Team Mounted Cooperative Target Identification Briefing

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REQUIREMENT DESCRIPTION: The MCTIS addresses an urgent need for an automated, mounted cooperative target identification system supporting the timely, accurate identification of friendly ground platforms and vehicles minimize fratricide potential and assist in force sorting at the point where an object is detected on a non-linear, conventional, Joint/Coalition battlefield.

CAPABILITY PROVIDED: The MCTIS will use NATO STANAG compliant mmW-technology and will consist of hardware, software, and sensors, and will be produced in two configurations.

- **MCTIS-Interrogator Transponder (I/T). Designed for permanent installation on direct-fire ground weapons platforms to include the M1A1 tank, AAAVs, and LAVs. Will be integrated with on-board targeting and SA systems and displays to provide an interrogation capability supporting the accurate identification of detected friendly platforms, at the point of detection at the host platform's primary weapon system's maximum effective range. Includes an integrated Transponder capability identifying the vehicle as a friendly platform when queried by another MCTIS (I/T) equipped platform.**
- **MCTIS Transponder (Trans). Designed to facilitate rapid temporary installation and/or removal from Combat Support (CS) and Combat Service Support (CSS) vehicles forward committed with front-line combatant forces. Provide an automated response capability identifying the vehicle as a friendly platform when queried by a MCTIS (I/T) equipped shooter platform.**

URGENCY TO COMPETE IN POM06:

- **Surface-to-Surface fratricide in Operation Iraqi Freedom (OIF) remains a problem.**
- **Addresses a critical deficiency identified in the on-going J6/OUSD (AT&L)-sponsored Joint CID Architecture Study.**
- **Resolves a Threshold requirement gap for the AAAV. Lack of a MCTIS-type capability resulted in an unsuccessful OASD(C3) initiative to withhold $5M FY-02 AAAV C4I Integration funds.**
- **May 2003 Future Combat Systems, Acquisition Decision Memorandum supports installation of surface TI (MCTIS-type) capability for legacy ground shooter platforms.**
- **The CCID ACTD BTID development efforts combined with the MARCORSYSCOM sponsored MCTIS Foreign Comparative Testing Initiative may support accelerated procurement in FY-06 – this aligns with current OSD guidance.**

STATUS OF REQUIREMENTS DOCUMENATION (ICD, CCD, MNS ORD, SON):

Joint CID Mission Need Statement - JROC approved March 1992
CID Capstone Requirement Document - JROC approved March 2001
MCTIS ORD signed 2 June 2003 – ACMC approved April 2003

AAO:

I MEF	2,476	DMFA	
II MEF	2,417	WRMR	
III MEF	1,403	NALMEB	
SMCR	2,417	Other	
Supt Est	2,347		
		Total	**11,060**

RELATED SYSTEMS:
M-DACT
M1A1
LAV-25
AAAV
Designated Combat Service and Combat Service Support Weapon Systems

OUTSTANDING ISSUES:

•MCTIS was funded with R&D only in POM-04 and must recompete in POM-06 as a "new-start". It will seek procurement funds in POM-06.

•The MARCORSYSCOM-sponsored MCTIS FCT initiative is pending final OUSD(AS&C) approval.

•Funding for the Army current force was identified as a problem in the May 2003 Future Combat Systems, Acquisition Decision Memorandum. The The C2 Functional Capabilities Board has initiated a Joint Battle Management Command and Control (JBMC2) Program Change Proposal (Draft) includes $10M in FY-04/FY-05 to support Army cost reduction/redesign work for BTID integration into ground combat platforms.

•The British and the French have established production programs in 2004.

•Other Coalition Partners (Sweden, Italy, Germany, & Canada) have funded initiatives and/or validated requirements.